
Public Notice

Applicant:

Tioga County Department of Public Works

Date:

Published: March 3, 2003

Expires: April 1, 2003

**U.S. Army Corps
of Engineers**

In Reply Refer To:

Buffalo District **CELRB-TD-R RE:** 2003-00592(0) **Section:** NY 404

**Application for Permit under Authority of
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

Tioga County Department of Public Works, 477 Route 96, Owego, New York 13827, has applied for Department of the Army (DA) authorization to discharge fill material associated with channel work and bridge replacement in Little Nanticoke Creek located at Day Hollow Road, in the Town of Owego, Tioga County, New York.

The County proposes to replace the existing Day Hollow Road bridge which is a single-span, steel, multi-girder bridge. It is an approximately 49 foot span with a 10 foot rise from the top of footings. The native creek bed materials have scoured below the footings in several places. The width of the roadway is 32 feet.

The preferred bridge reconstruction alternative will consist of a single-span, prestressed concrete box beam superstructure with integral abutments on piles. The span length will be 96 feet, and the new abutments will be located above the Ordinary High Water (OHW) mark of the creek; thereby increasing the hydraulic opening. The width of the bridge will be 35 feet.

A new stream alignment is proposed to restore the stream to its previous alignment, to prevent erosion and scour problems that now exist at the bridge. The new channel will be lined with rip rap until it merges with the existing channel at the upstream location. Approximately 335 linear feet of the channel will be filled (0.10 acres) on the east bank with embankment material to move the stream centerline to its proposed location. In addition, approximately 141 linear feet (0.02 acres) of the east bank along the north end will be filled to tie in the existing stream to the proposed centerline. A 548 linear foot channel will be constructed.

Approximately 443 feet of the east and west banks will be stabilized with rip rap. It is estimated that approximately 990 cubic yards of rip rap will be placed below the OHW of the creek.

A temporary detour will be installed to the north of the existing structure during construction. Two culverts, 59 feet in length, with 11.8 foot spans and a 7.5 foot rise will be installed under the access to maintain water flow. The temporary bridge will be removed in its entirety, and all fills removed to an upland location. The applicant has indicated that no temporary cofferdams are necessary to complete the work as proposed.

The applicant has indicated that the purpose of the channel work is to protect the new bridge structure from scour and erosion.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Margaret A. Crawford, who can be contacted by calling (315) 255-8090, or by e-mail at: margaret.a.crawford@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 7413 County House Road, Auburn, New York 13021, and should be marked to the attention of Margaret A. Crawford, or by e-mail at: margaret.a.crawford@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the

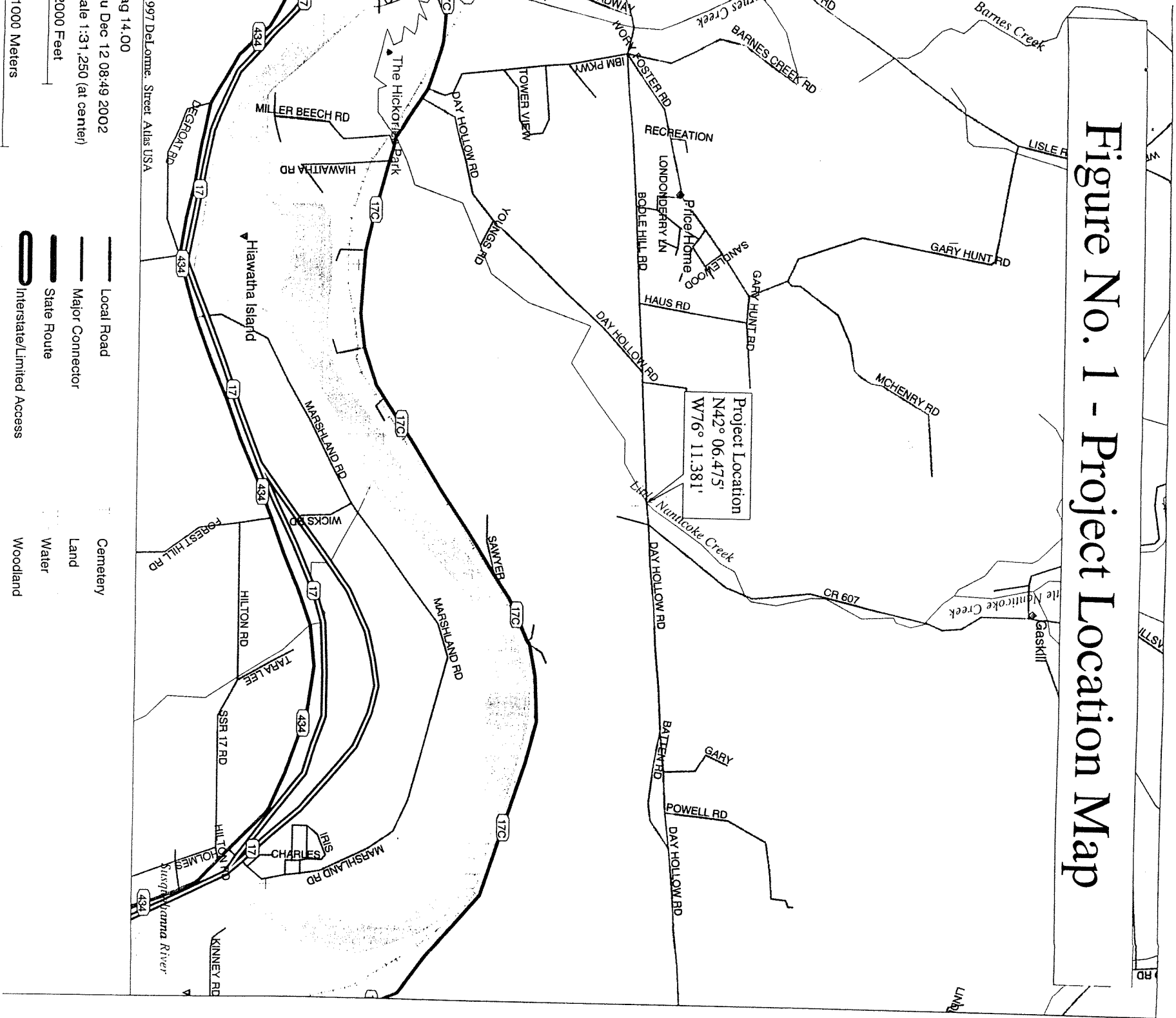
proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Paul G. Leuchner
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.

Figure No. 1 - Project Location Map



TIOGA COUNTY DPW
 Processing No. 2003-00592(0)
 Tioga County, New York
 Quad: APALACHIN
 Sheet 2 of 9

Figure No. 2

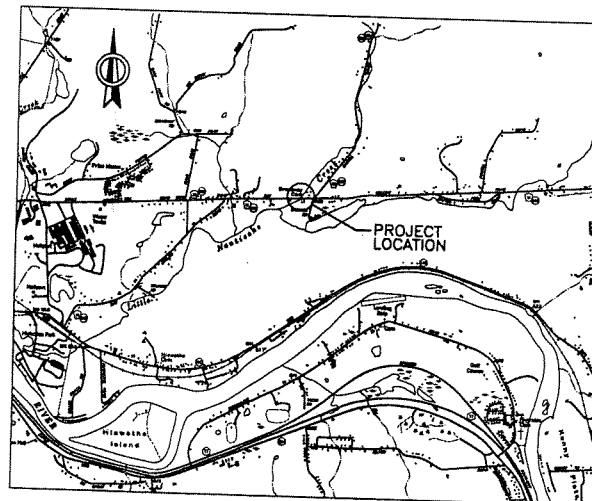
Wetland Map

Day Hollow Road
Owego, New York



Fisher Associates
ENGINEERS AND SURVEYORS

TIOGA COUNTY
DEPARTMENT OF PUBLIC WORKS
REPLACEMENT OF DAY HOLLOW ROAD BRIDGE
OVER LITTLE NANTICOKE CREEK
TOWN OF OWEGO
B.I.N. 3335350



PRELIMINARY
PLANS

PREPARED BY:

ERDMAN
ANTHONY



Albany, NY
Buffalo, NY
Rochester, NY

Boston, MA
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TIOGA COUNTY DPW
Processing No. 2003-00592(0)
Tioga County, New York
Quad: APALACHIN
Sheet 3 of 9

TIOGA COUNTY DPW
Processing No. 2003-00592(0)
Tioga County, New York
Quad: APALACHIN
Sheet 4 of 9

DETOUR CENTERLINE

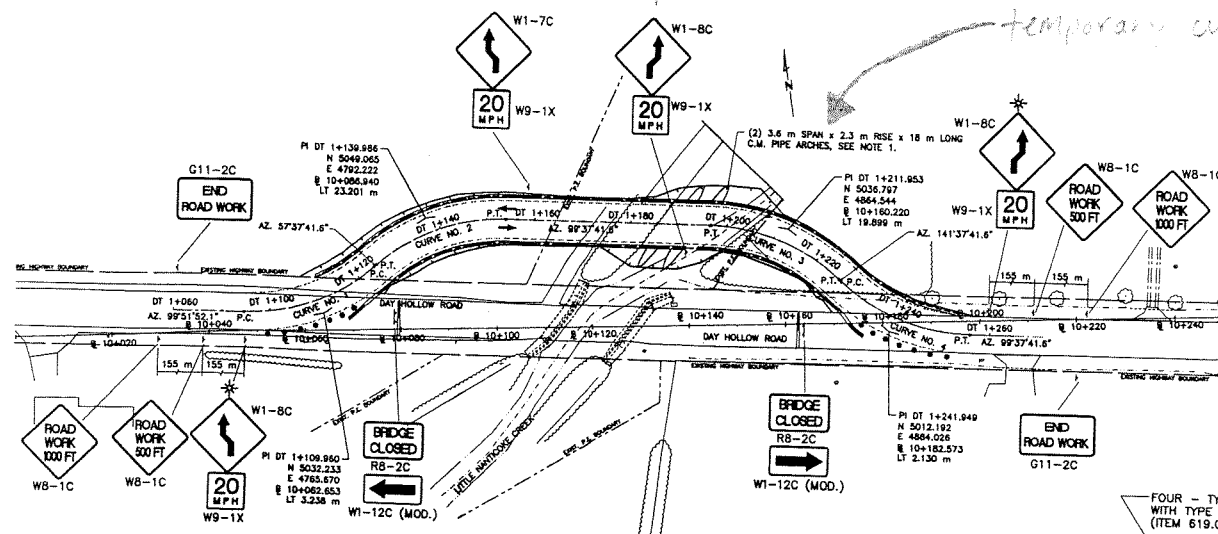
POINT	STATION	NORTHING	EASTING
P.C. - CURVE DT1	DT 1+094.510	5034.880	4750.449
P.T. - CURVE DT1	DT 1+123.997	5040.505	4778.718
P.C. - CURVE DT2	DT 1+124.631	5040.844	4779.254
P.T. - CURVE DT2	DT 1+153.953	5046.497	4807.361
P.C. - CURVE DT3	DT 1+156.598	5039.365	4849.405
P.T. - CURVE DT3	DT 1+225.920	5024.759	4874.075
P.C. - CURVE DT4	DT 1+226.595	5024.230	4874.494
P.T. - CURVE DT4	DT 1+255.916	5009.624	4899.164

TEMPORARY DETOUR
CURVE NO. DT 1
PC = DT 1+094.510 = 1+094.510
PT = DT 1+123.997
DELTA = 42°14'10.5" LT.
R = 40,000 m
L = 29.486 m
T = 15.449 m

TEMPORARY DETOUR
CURVE NO. DT 2
PC = DT 1+124.631
PT = DT 1+153.953
DELTA = 42°0'0.0" RT.
R = 40,000 m
L = 29.322 m
T = 15.355 m

TEMPORARY DETOUR
CURVE NO. DT 3
PC = DT 1+196.598
PT = DT 1+225.920
DELTA = 42°0'0.0" RT.
R = 40,000 m
L = 29.322 m
T = 15.355 m

TEMPORARY DETOUR
CURVE NO. DT 4
PC = DT 1+226.595
PT = DT 1+255.916 = 1+245.355
DELTA = 42°0'0.0" LT.
R = 40,000 m
L = 29.322 m
T = 15.355 m



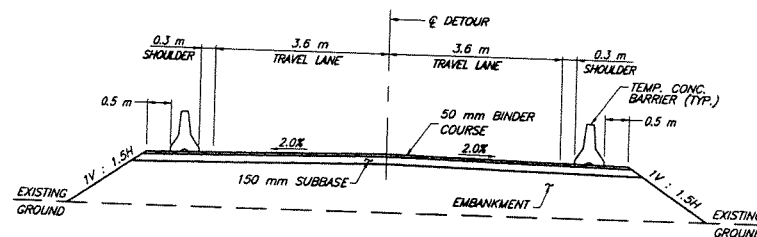
TEMPORARY DETOUR PLAN
SCALE 1:500

LEGEND

- CHANNELIZATION DEVICE (ITEM 619.01 M)
- TEMP. CONC. BARRIER (ITEM 619.17 M)
- DIRECTION OF TRAVEL
- CONSTRUCTION SIGNS (ITEM 619.02 M)
- TYPE B FLASHERS (INCLUDED IN PAYMENT FOR ITEM 619.02 M)

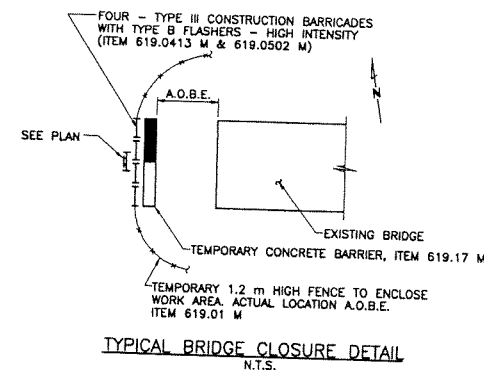
THE FOLLOWING SHALL BE IN ACCORDANCE WITH THE N.Y.S. M.U.T.C.D. REQUIREMENT FOR THE SPECIFIED M.U.T.C.D. SIGN CODES

- A. LETTER SIZE AND SERIES
- B. LEGEND & BACK GROUND COLOR
- C. REFLECTIVITY
- D. SIZE & COLOR



TYPICAL DETOUR SECTION
SCALE 1:50

NOTES:
1. INLET INVERT EL. SHALL BE EL. 267.850
OUTLET INVERT EL. SHALL BE EL. 267.650.



TYPICAL BRIDGE CLOSURE DETAIL
N.T.S.

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CLIENT:

TIOGA COUNTY
DEPARTMENT OF
PUBLIC WORKS

PROJECT NAME:

DAY HOLLOW BRIDGE
OVER LITTLE
NANITCOKE CREEK
(BIN. 3335350)

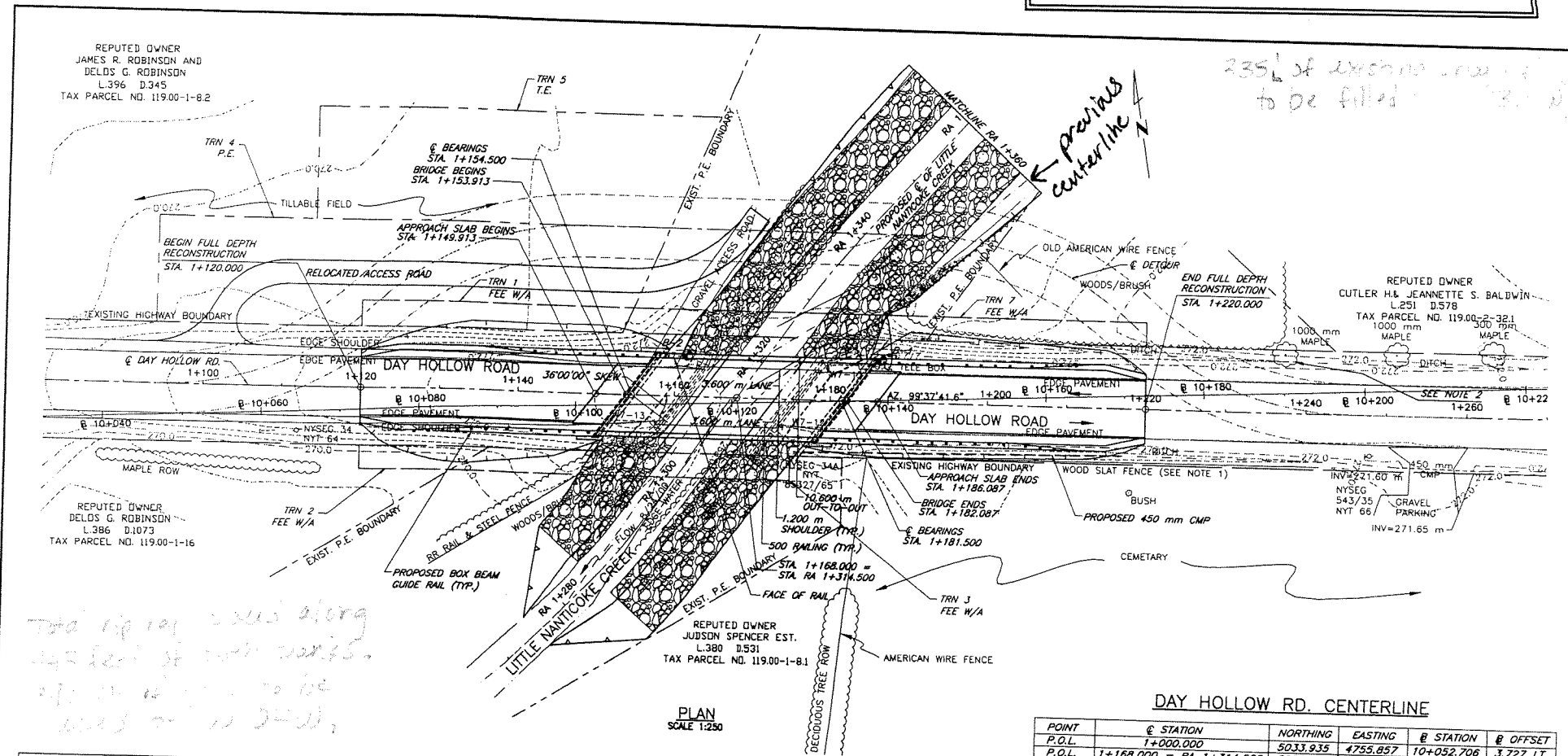
DRAWING TITLE:

MAINTENANCE &
PROTECTION OF TRAFFIC
PLAN

SCALE: AS NOTED	DATE: AUG. 2002
DES. BY: B.P.B.	CHK. BY: S.A.S.
DWG. BY: M.R.L.	EAM PROJ. NO. 18470.02
SHEET NO.	DRAWING NO.

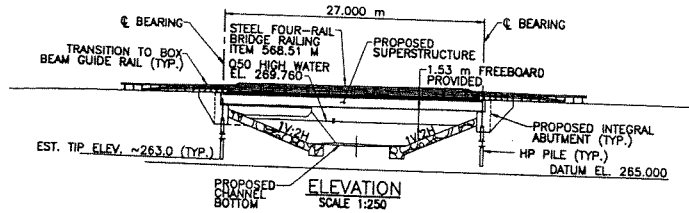
TIOGA COUNTY DPWD
 Processing No. 2003-00592(0)
 Tioga County, New York
 Quad: APALACHIN
 Sheet 5 of 9

235' of existing road to be filled



Total rip rap along
 145 feet of creek banks.
 27' on left side to be
 used as a shoulder.

HYDRAULIC DATA			
DRAINAGE AREA = 21.13 (km ²)	BASIC FLOOD	DESIGN FLOOD	
REQUENCY INTERVAL (YRS)	100	50	
PEAK DISCHARGE m ³ /s	69.1	59.5	
HIGH WATER ELEV. @ PT. OF MAX. BACKWATER	EXISTING 270.22 ±	PROPOSED 270.02 ±	
AVG. VELOCITY THRU STRUCTURE @ DESIGN FLOOD = 1.73 m/s	269.98 ±	269.76 ±	



DAY HOLLOW RD. CENTERLINE				
POINT	STATION	NORTHING	EASTING	OFFSET
P.O.L.	1+000.000	5033.935	4755.857	
P.O.L.	1+168.000	5022.561	4822.899	0.661 LT
P.O.L.	1+260.000	5007.174	4913.603	3.481 RT

NOTE:
 1. CEMETARY FENCE SHALL NOT BE DISTURBED
 2. MAPLE TREE AT STA. 1+238 LT. SHALL NOT BE DISTURBED

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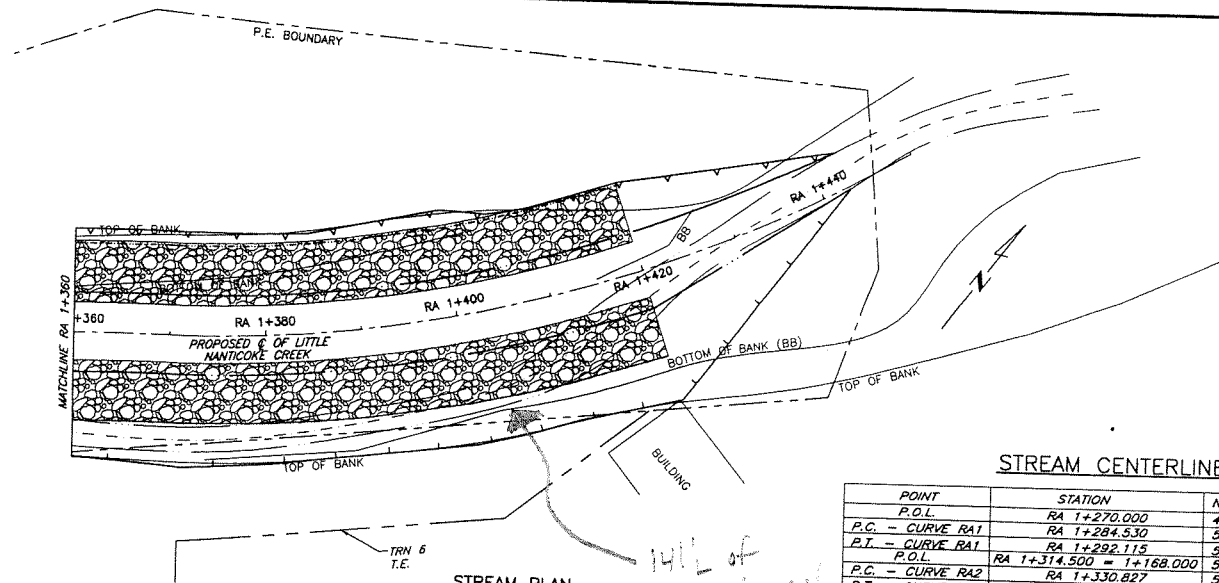
CLIENT:
 TIOGA COUNTY
 DEPARTMENT OF
 PUBLIC WORKS

PROJECT NAME:
 DAY HOLLOW BRIDGE
 OVER LITTLE
 NANTICOKE CREEK
 (BIN. 3335350)

DRAWING TITLE:
 PLAN AND ELEVATION

SCALE:	AS NOTED	DATE:	AUG./2002
DRAWN BY:	B.P.B.	CHECKED BY:	T.R.D.
DESIGNED BY:	M.R.L.	CAL. PROJ. NO.:	18470.02
SHEET NO.:		DRAWING NO.:	

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Processing No. 2003-00592(0)
Tioga County, New York
Quad: APALACHIN
Sheet 6 of 9

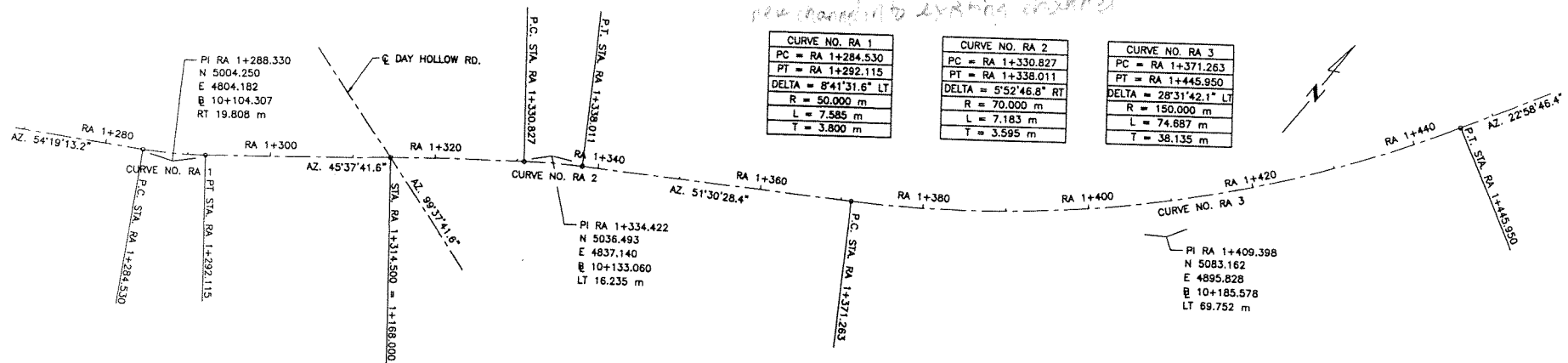


STREAM PLAN
SCALE 1:250

STREAM CENTERLINE

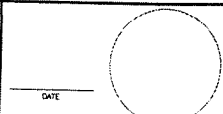
POINT	STATION	NORTHING	EASTING
P.O.L.	RA 1+270.000	4992.908	4788.386
P.C. - CURVE RA1	RA 1+284.530	5002.034	4801.095
P.T. - CURVE RA1	RA 1+292.115	5006.908	4806.898
P.O.L.	RA 1+314.500 = 1+168.000	5022.561	4822.899
P.C. - CURVE RA2	RA 1+330.827	5033.979	4834.570
P.T. - CURVE RA2	RA 1+338.011	5038.731	4839.953
P.C. - CURVE RA3	RA 1+371.263	5059.427	4865.980
P.T. - CURVE RA3	RA 1+445.950	5118.271	4910.715

141' of
existing channel
to be filled to the
new channel to existing channel



STREAM ALIGNMENT
SCALE 1:250

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Rochester, NY
Boston, MA
Harrisburg, PA
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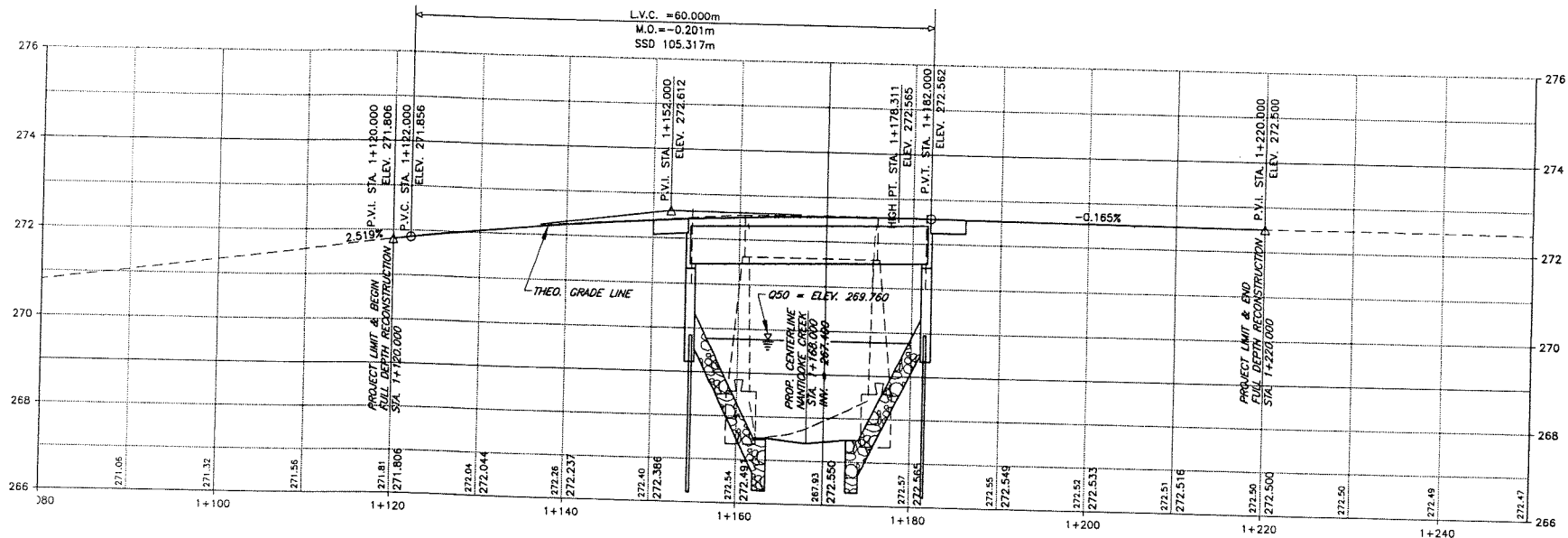
CLIENT:
**TIOGA COUNTY
DEPARTMENT OF
PUBLIC WORKS**

PROJECT NAME:
**DAY HOLLOW BRIDGE
OVER LITTLE
NANTICOKE CREEK
(BIN. 3335350)**

DRAWING TITLE:
**STREAM PLAN
& ALIGNMENT**

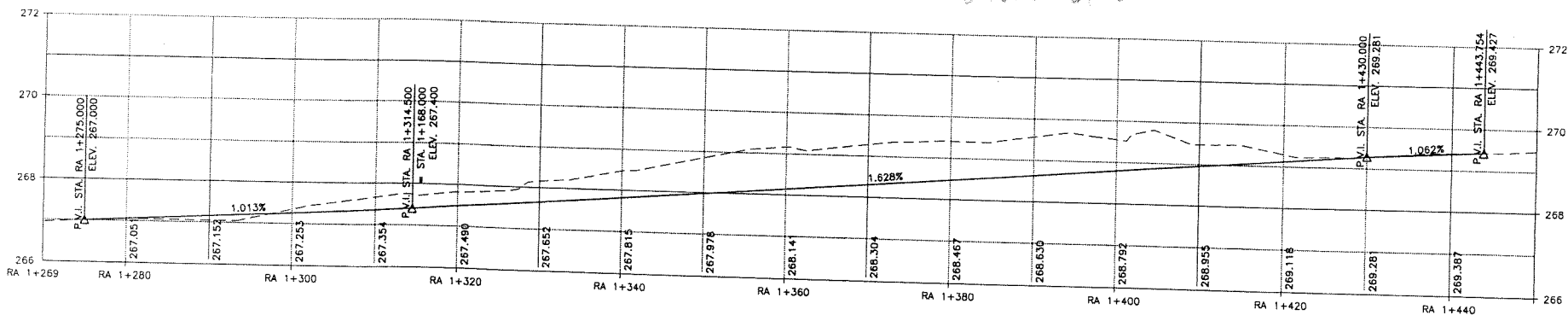
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OK'D BY: M.R.L.	DWG. NO. 18470.02
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TIOGA COUNTY DPW
 Processing No. 2003-00592(0)
 Tioga County, New York
 Quad: APALACHIN
 Sheet 7 of 9



ROADWAY PROFILE
 1:250 HOR.
 1:50 VERT.

**new abutments to be placed
 shore of w*



STREAM PROFILE
 1:250 HOR.
 1:50 VERT.

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 Buffalo, NY
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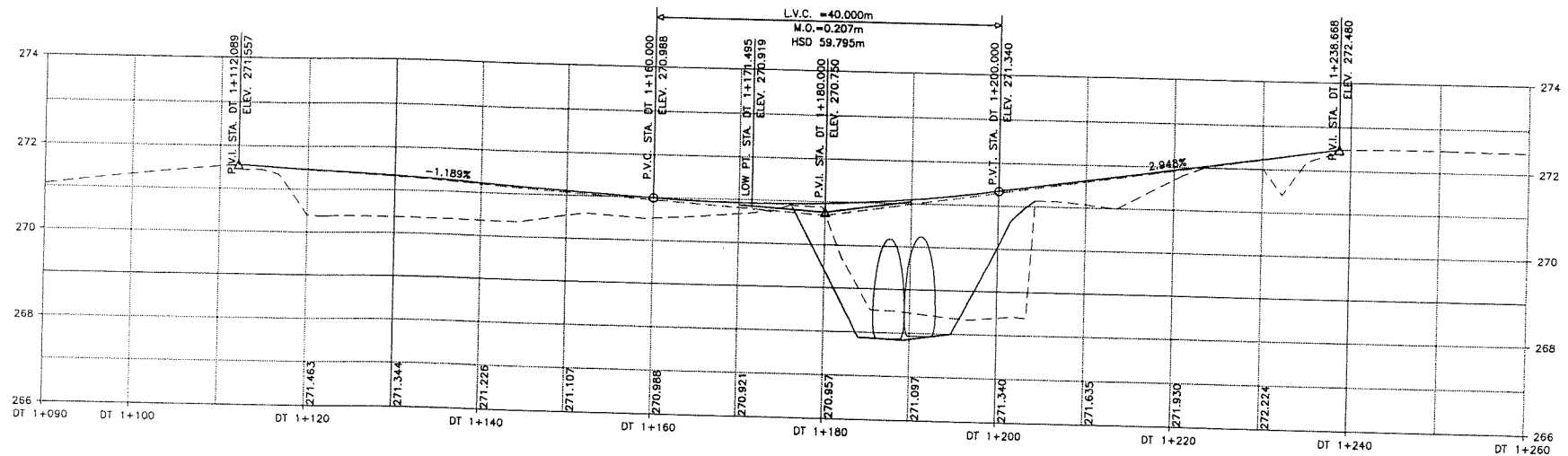
DAY HOLLOW BRIDGE
 OVER LITTLE
 NANITCOKE CREEK
 (BIN. 3335350)

DRAWING TITLE:

ROADWAY AND
 STREAM PROFILES

SCALE:	AS NOTED	DATE:	AUG./2002
DRAWN BY:	B.P.B.	CHECKED BY:	T.R.D.
DESIGNED BY:	M.R.L.	DATE:	18470.02
SHEET NO.		DRAWING NO.	PR-1

TIOGA COUNTY DPW
Processing No. 2003-00592(0)
Tioga County, New York
Quad: APALACHIN
Sheet 8 of 9



DETOUR PROFILE
1:250 HOR.
1:50 VERT.

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Buffalo, NY
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DATE

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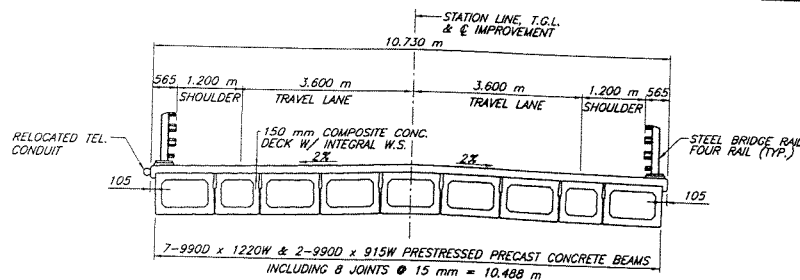
**DAY HOLLOW BRIDGE
OVER LITTLE
NANITCOKE CREEK
(BIN. 3335350)**

DRAWING TITLE:

**DETOUR
PROFILE**

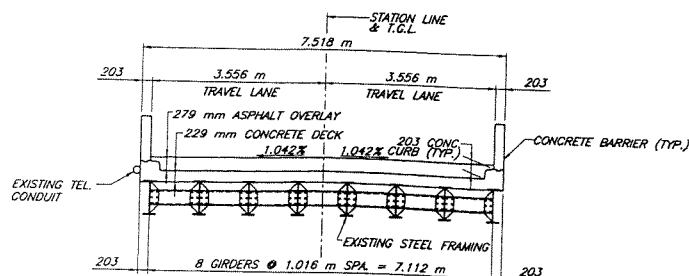
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DWG. BY:	B.P.B.	DR. BY:	T.R.D.
CHECKED BY:	M.R.L.	DWG. PROJ. NO.:	18470.02
SHEET NO.:		DRAWING NO.:	PR-7

TIOGA COUNTY DPW
Processing No. 2003-00592(0)
Tioga County, New York
Quad: APALACHIN
Sheet 9 of 9



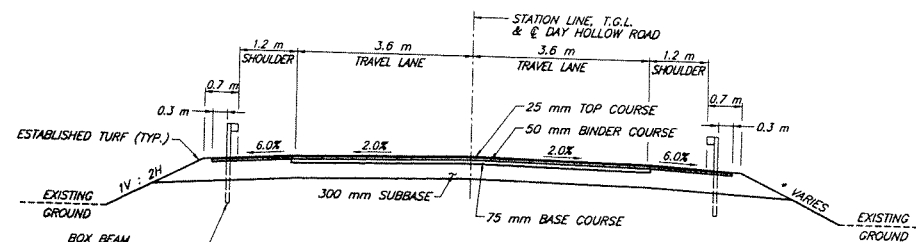
PROPOSED TRANSVERSE SECTION

SCALE 1:50



EXISTING TRANSVERSE SECTION

SCALE 1:50



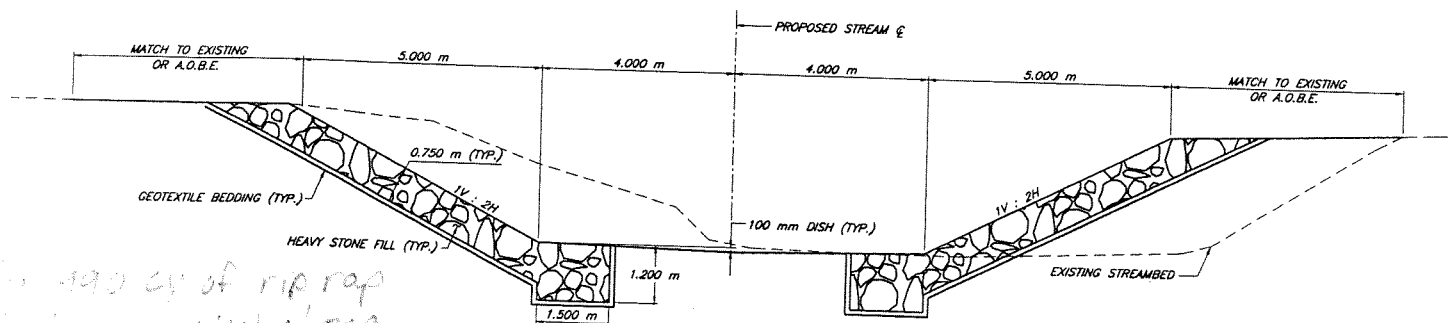
TYPICAL APPROACH SECTION

SCALE 1:50

NOTE: 1. SHOULDER X-SLOPE TRANSITION TO BRIDGE SECTION BEGINS AT STA. 1+140.

2. BRIDGE SECTION TO SHOULDER X-SLOPE TRANSITION ENDS AT STA. 1+195.

* SLOPE TABLE	
STA. 1+125 TO STA. 1+151	1V : 2H
STA. 1+177 TO STA. 1+215	1V : 1.5H



PROPOSED STREAM SECTION

SCALE 1:50

* Approximately 190 cu of rip rap
to be placed 50 m HW along
880' near foot of bank

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DATE

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PUBLIC WORKS

PROJECT NAME:
DAY HOLLOW BRIDGE
OVER LITTLE
NANITCOKE CREEK
(BIN. 3335350)

DRAWING TITLE:
TYPICAL SECTIONS

SCALE: AS NOTED	DATE: AUG./2002
DES. BY: B.P.B.	DR. BY: T.R.D.
CHKD BY: M.R.L.	EN. PROJ. NO. 18470.02
SHEET NO.	DRAWING NO.